

ELECTRICAL COMMUNICATION INDEX VOLUME 53 (1978)

Subject Index

	Number	Page
Administrative Functions for a Stored Program Control PABX, D. A. L. Jenkins and J. M. Perry	3	198
Advanced Operations and Maintenance Facilities for Telephone Networks, J. W. Dicker, J. F. West, and L. Van Os	1	44
Antennas, VOR-S, Low Profile Polarization Cage for, H. O. Berner	4	297
Applications for Optical Fiber Communications Systems, M. E. Collier and A. W. Horsley	2	134
Calculation Method for Link Systems with Delay, M. Villén Altamirano	3	217
Call Description Language, I. Blackhurst and J. S. Gandeé	3	202
Carbon Microphones, Real Voice Sensitivities of, G. J. Barnes, M. S. Hurley, and R. V. Stockwell	4	308
Communications Systems, Applications for Optical Fiber, M. E. Collier and A. W. Horsley	2	134
Computer Aided Planning of Rural Area Telephone Networks, I. Hansen, K. M. Knutson, P. A. Caballero, and J. Solé	2	165
Consul Subscriber Telephone Subset, P. Vörnel	3	225
Digital Full Duplex Operation on Two-Wire Lines, W. Dietze and J. Reutter	2	161
ENTRASIM: A Real-Time Traffic Environment Simulator for SPC Switching Systems, M. Gruszecki	1	50
EWS Electronic Switching System: General Organization, G. Altehage	1	73
Filters, Modern FDM Pilot, W. Borowski and P. Wollmershäuser	2	148
Filters, New Generation of Through-Connection, D. Klein	3	230
First European Digital TV Transmission over Satellite at 34 Mbit s ⁻¹	4	307
ITT Principal Telecommunications Companies	3	246
ITT 1602 Processor, J. Bauwens and J. Ysseldyk	1	22
Line Equipment, 60 MHz, for an Existing Coaxial Cable Route, L. Becker and W. Simotta	3	207
Link Systems with Delay, Calculation Method for, M. Villén Altamirano	3	217
Low Profile Polarization Cage for VOR-S Antennas, H. O. Berner	4	297
Mail Handling: Video Indexation Desk System, A. Raes and H. Verhoeven	4	284
Maintenance Software for the ITT 3202 Processor, X. Penet	2	142
Man-Machine Software Design in Modern SPC Switching Systems, V. Carruet and C. Vander Straeten	4	266
Metaconta 10 CN Exchange: System Structure, C. Cool, J. Janssens, and A. Vandevelde	1	9
Metaconta 10 CN Exchanges: A New Generation of Switching Systems, J. A. Broux and M. Verbeeck	1	2
Metaconta 10 CN Software Structure: Manageability and Optimum Capacity, J. Janssens and M. J. Malherbe	1	38
Metaconta 10 CN Traffic and Call Handling, C. Cool	1	27
Modern FDM Pilot Filters, W. Borowski and P. Wollmershäuser	2	148
Navstar Receivers for UK Ministry of Defence	4	273
New Family of Supergroup Translators, L. Braun, H. Löffler, and M. Oppenländer	2	153
New Generation of Through-Connection Filters, D. Klein	3	230
NG-1 Submarine Cable System:		
NG-1 Cable Equalization, M. K. Chalk and G. J. Starmer	2	125
NG-1 Line Amplifiers, R. A. Hall, P. E. Radley, I. J. Hirst, and A. T. Howard	2	111
NG-1 Planning and Design, A. J. Bennett and T. Oswald	2	104
NG-1 Power Feeding Equipment, S. M. Ali and A. F. Jales	2	129
NG-1 Submerged Repeater, B. B. Foster and A. J. Jeal	2	108
NG-1 Terminal Transmission Equipment, A. J. Stanborough and W. T. Strickland	2	118
Nondestructive Analysis of Integrated Circuits	4	273
Obituary: Professor Karl Küpfmüller	1	90
Oil Pollution Monitor Tested at Amoco Cadiz Disaster	4	283
Optical Document Enveloper, L. Moens and R. Terryn	4	289
Optical Fiber Communications Systems, Applications for, M. E. Collier and A. W. Horsley	2	134
Preferred Transmission Modes in Modern PABX's, L. Gasser	3	192
Real Voice Sensitivities of Carbon Microphones, G. J. Barnes, M. S. Hurley, and R. V. Stockwell	4	308
Remote Line Tester Wins Export Orders	3	224
Ringing and Signaling Generator for EWSO System, D. Fischbuch and W. Frik	1	80
Sefan Route Guidance System for Vehicles, F. Leitl	3	236
Single Channel Communications Unit for EWSO System, G. Höschel and R. Ziegler	1	84
Speech Network Maintenance by Fault Observation and Evaluation, A. Buchheister, J. Dunesme, and W. Lingelbach	1	63

	Number	Page
Submarine Power Cable for Canada	3	212
Subscriber Line Circuit and Line Identifier for EWSO System, D. Miericke and H. Siegel	1	76
Supergroup Translators, New Family of, L. Braun, H. Löffler, and M. Oppenländer	2	153
Switching:		
Advanced Operations and Maintenance Facilities for Telephone Networks,		
J. W. Dicker, J. F. West, and L. Van Os	1	44
Entrasim: A Real-Time Traffic Environment Simulator for SPC Switching Systems, M. Gruszecki	1	50
EWS Electronic Switching System: General Organization, G. Altehage	1	73
ITT 1602 Processor, J. Bauwens and J. Ysseldyk	1	22
Maintenance Software for the ITT 3202 Processor, X. Penet	2	142
Metaconta 10 CN Exchange: System Structure, C. Cool, J. Janssens, and A. Vandevelde	1	9
Metaconta 10 CN Exchanges: A New Generation of Switching Systems, J. A. Broux and M. Verbeeck	1	2
Metaconta 10 CN Software Structure: Manageability and Optimum Capacity,		
J. Janssens and M. J. Malherbe	1	38
Metaconta 10 CN Traffic and Call Handling, C. Cool	1	27
Ringing and Signaling Generator for EWSO System, D. Fischbuch and W. Frik	1	80
Single Channel Communications Unit for EWSO System, G. Höschele and R. Ziegler	1	84
Speech Network Maintenance by Fault Observation and Evaluation,		
A. Buchheister, J. Dunesme, and W. Lingelbach	1	63
Subscriber Line Circuit and Line Identifier for EWSO System, D. Miericke and H. Siegel	1	76
Terminal Circuit Test Software for Metaconta L 11 A Exchanges, B. Marcellly and F. Ollivier	1	58
<i>see also</i> Telephony		
Telephony:		
Administrative Functions for a Stored Program Control PABX, D. A. L. Jenkins and J. M. Perry	3	198
Call Description Language, I. Blackhurst and J. S. Gandee	3	202
Computer Aided Planning of Rural Area Telephone Networks,		
I. Hansen, K. M. Knutsen, P. A. Caballero, and J. Solé	2	165
Consul Subscriber Telephone Subset, P. Vömel	3	225
Digital Full Duplex Operation on Two-Wire Lines, W. Dietze and J. Reutter	2	161
Man-Machine Software Design in Modern SPC Switching Systems, V. Carruet and C. Vander Straeten	4	266
Preferred Transmission Modes in Modern PABX's, L. Gasser	3	192
Transmission Loss Planning and Performance of Evolving Digital Telephone Networks,		
M. E. Collier, G. Williams, and S. M. Schreiner	4	255
Transmission Quality of Unimat PABX's, H. Faigle, K. Széchényi, G. van de Ven, and J. Zanzig	4	274
Unimat PABX Range, W. Bezdel	3	186
Voice Controlled Handsfree Subset for the Intermat Range, M. Slawik and H. Wiedmann	4	302
<i>see also</i> Switching		
Terminal Circuit Test Software for Metaconta L 11 A Exchanges, B. Marcellly and F. Ollivier	1	58
Translating Equipment: 1.3 MHz Carrier Frequency System, L. Braun, D. Klein, and H. Zoll	3	213
Translators, New Family of Supergroup, L. Braun, H. Löffler, and M. Oppenländer	2	153
Transmission Loss Planning and Performance of Evolving Digital Telephone Networks,		
M. E. Collier, G. Williams, and S. M. Schreiner	4	255
Transmission Quality of Unimat PABX's, H. Faigle, K. Széchényi, G. van de Ven, and J. Zanzig	4	274
Unimat PABX Range, W. Bezdel	3	186
United States Patents Issued to ITT System:		
April–June 1977	1	102
July–September 1977	2	176
October–December 1977	3	252
January–March 1978	4	322
US Navy uses First Operational Fiber Optic Data Transmission System	3	212
Video Indexation Desk System, A. Raes and H. Verhoeven	4	284
Voice Controlled Handsfree Subset for the Intermat Range, M. Slawik and H. Wiedmann	4	302
World's Telephones–1977	1	91
60 MHz Line Equipment for an Existing Coaxial Cable Route, L. Becker and W. Simotta	3	207

ELECTRICAL COMMUNICATION INDEX VOLUME 53 (1978)

Recent Achievements

	Number	Page
Austrian Gendarmerie Orders ITT 6400 <u>ADX</u> System	4	319
Baseband Modem DCB 19 200	4	318
Color TV Signals Carried by Undersea Cable System	2	181
Columbus Transatlantic Undersea Cable Inaugurated	1	97
Communications and Alarm System	1	96
Communications Equipment for Nigerian Cargo Vessels	3	250
Computerized Control System for Electricity Board	2	182
Conference Equipment for Norwegian Administration	4	320
Consul Telephone Set	2	177
Cumulus Radar System	2	179
 Data Communications Equipment for North Sea Oilfield	2	182
Data Modem 2064 for 2400/1200 bit s ⁻¹	3	248
Dataprinters for the London Stock Exchange	2	180
Digital Transmission Equipment for BPO	1	95
Digitized Television Signals Transmitted over Glass Fibers	1	96
Dynamic Overload Control Procedure for SPC Exchanges	1	101
 Easy Call Simplified Telex Dialing System	2	181
Electrical Ground Support Equipment for Spacelab	1	95
Encouraging Start for Optical Communications Unit	2	181
 Fiber Optic Connectors	4	317
Fiber Optic Data Link for Italian Navy	2	177
Fourth Metaconta 11 A Exchange for Morocco	3	249
 High Level Language Interpreter for Computer Controlled Date Generation	2	181
 Informatik Terminal for Product Ordering	1	95
Intelsat Ground Station for Indonesia	1	102
International Telephone Transmission Equipment	4	317
Italy Orders Second High Capacity Undersea Cable System	4	318
ITT Telephone Systems for Cadbury-Schweppes	1	102
ITT 2300 Teleprinter Ordered by British Post Office	4	318
 Long Haul Fiber Optic Cable System for US Army	1	101
 Major Orders for Metaconta PABX's	4	320
Meninges System	1	95
Message Switching System for BBC	2	182
Metaconta L Exchanges for Finland and Bolivia	2	183
Metaconta Rural Exchange Starts Field Trials	2	182
Microprocessor based Message Switching System	3	249
Miniature Vacuum Relays Replace High Voltage Reeds	4	321
Miniatirized TWT	2	183
 New Data Communications Products Announced:	1	100
ITT 3805 Communications Controller		
ITT 3630 Intelligent Terminal		
ITT 3230 Visual Display System		
New Optical Cable	3	248
New Private Telephone Equipment Exhibited	1	99
Nigerian Telephone Network Expanded and Modernized	2	178
 Oil-Filled Cable Sealing Ends for SF ₆ Busbar Systems	3	247
Optical Fiber System for Defence Ministry	3	249
 PCM-B Model Installed in Madrid	1	97
Phased Array Antenna for Tactical Radios	1	100
Private Telephone Network for British Steel	1	99
 Radio Relay Equipment FM 1800/TV-2500	2	178
Railway Control Center goes into Operation	1	100
Republic of Korea Chooses Metaconta 10 CN Exchanges	2	177
Royal Insurance Installs ITT 3280 Visual Displays	2	180

	Number	Page
Setac System Passes Flight Tests	2	179
Six 420 kV Cables across the Oslofjord	1	98
Submarine Power Cable Links Tanzania to Zanzibar	4	318
Subscriber PCM System SCT-3205	4	317
Supergroup Translating Equipment	1	96
 TDM System for Data Transmission	 3	 251
Telta System for Paris Store	4	319
Thin Route Satellite Communications System	2	179
Time Pulse Metering Introduced for Local Calls	1	98
Tracking and Telemetry Stations for Ariane Launcher	2	180
Transportable Pentaconta 1000 C Telephone Exchanges	1	95
Trial Digital Network for Norway	3	247
Two Undersea Telephone Cable Systems for Europe	3	250
 Unimat 4020 Small Size PABX	 4	 321
Uniphone Telephone Subsets for Singapore	3	249
 VDU's for Commodity Information System	 2	 178
Video Indexation Desk	3	250
 15-Supergroup Assembly Multiplex Equipment	 4	 319
300-Channel Radio Relay System FM 300/2000	1	101
4 800 bit s ⁻¹ Modem with Multiport Facility	4	322
6400 <u>ADX</u> Range Extended	3	248

ELECTRICAL COMMUNICATION INDEX VOLUME 53 (1978)

Research and Development Notes

	Number	Page
Integrated Circuits for Repertory Dials	3	243
MFC-R2 Measuring Equipment	4	315
New Level Recording Equipment	3	241
Solid State Laser/Fiber Optic System for Measuring Oil in Water	2	175
140 Mbit s ⁻¹ Digital Line System for Coaxial Cable	2	173

ELECTRICAL COMMUNICATION INDEX VOLUME 53 (1978)

Author Index

	Number	Page
Ali, S. M. and Jales, A. F., NG-1 Submarine Cable System: NG-1 Power Feeding Equipment	2	129
Altehage, G., EWS Electronic Switching System: General Organization	1	73
 Barnes, G. J., Hurley, M. S., and Stockwell, R. V., Real Voice Sensitivities of Carbon Microphones	 4	 308
Bauwens, J. and Ysseldyk, J., ITT 1602 Processor	1	22
Becker, L. and Simotta, W., 60 MHz Line Equipment for an Existing Coaxial Cable Route	3	207
Bennett, A. J. and Oswald, T., NG-1 Submarine Cable System: NG-1 Planning and Design	2	104
Berner, H. O., Low Profile Polarization Cage for VOR-S Antennas	4	297
Bezdel, W., Unimat PABX Range	3	186
Blackhurst, I. and Gandee, J. S., Call Description Language	3	202
Borowski, W. and Wollmershäuser, P., Modern FDM Pilot Filters	2	148
Braun, L., Klein, D., and Zoll, H., Translating Equipment: 1.3 MHz Carrier Frequency System	3	213
Braun, L., Löffler, H., and Oppenländer, M., New Family of Supergroup Translators	2	153
Broux, J. A. and Verbeeck, M., Metaconta 10 CN Exchanges: A New Generation of Switching Systems	1	2
Buchheister, A., Dunesme, J., and Lingelbach, W., Speech Network Maintenance by Fault Observation and Evaluation	1	63

	Number	Page
Caballero, P. A. <i>see</i> Hansen, I.		
Carruet, V. and Vander Straeten, C., Man-Machine Software Design in Modern SPC Switching Systems	4	266
Chalk, M. K. and Starmer, G. J., NG-1 Submarine Cable System: NG-1 Cable Equalization	2	125
Collier, M. E. and Horsley, A. W., Applications for Optical Fiber Communications Systems	2	134
Collier, M. E., Williams, G., and Schreiner, S. M., Transmission Loss Planning and Performance of Evolving Digital Telephone Networks	4	255
Cool, C., Metaconta 10 CN Traffic and Call Handling	1	27
Cool, C., Janssens, J., and Vandeveld, A., Metaconta 10 CN Exchange: System Structure	1	9
Dicker, J. W., West, J. F., and Van Os, L., Advanced Operations and Maintenance Facilities for Telephone Networks	1	44
Dietze, W. and Reutter, J., Digital Full Duplex Operation on Two-Wire Lines	2	161
Dunesme, J. <i>see</i> Buchheister, A.		
Faigle, H., Széchenyi, K., van de Ven, G., and Zanzig, J., Transmission Quality of Unimat PABX's	4	274
Fischbuch, D. and Frik, W., Ringing and Signaling Generator for EWSO System	1	80
Foster, B. B. and Jeal, A. J., NG-1 Submarine Cable System: NG-1 Submerged Repeater	2	108
Frik, W. <i>see</i> Fischbuch, D.		
Gandee, J. S. <i>see</i> Blackhurst, I.		
Gasser, L., Preferred Transmission Modes in Modern PABX's	3	192
Gruszecki, M., Entrasis: A Real-Time Traffic Environment Simulator for SPC Switching Systems	1	50
Hall, R. A., Radley, P. E., Hirst, I. J., and Howard, A. T., NG-1 Submarine Cable System: NG-1 Line Amplifiers	2	111
Hansen, I., Knutsen, K. M., Caballero, P. A., and Solé, J., Computer Aided Planning of Rural Area Telephone Networks	2	165
Hirst, I. J. <i>see</i> Hall, R. A.		
Horsley, A. W. <i>see</i> Collier, M. E.		
Höschele, G. and Ziegler, R., Single Channel Communications Unit for EWSO System	1	84
Howard, A. T. <i>see</i> Hall, R. A.		
Hurley, M. S. <i>see</i> Barnes, G. J.		
Jales, A. F. <i>see</i> Ali, S. M.		
Janssens, J. and Malherbe, M. J., Metaconta 10 CN Software Structure: Manageability and Optimum Capacity	1	38
Janssens, J. <i>see</i> Cool, C.		
Jeal, A. J. <i>see</i> Foster, B. B.		
Jenkins, D. A. L. and Perry, J. M., Administrative Functions for a Stored Program Control PABX	3	198
Klein, D., New Generation of Through-Connection Filters	3	230
Klein, D. <i>see</i> Braun, L.		
Knutsen, K. M. <i>see</i> Hansen, I.		
Leitl, F., Sefan Route Guidance System for Vehicles	3	236
Lingelbach, W. <i>see</i> Buchheister, A.		
Löffler, H. <i>see</i> Braun, L.		
Malherbe, M. J. <i>see</i> Janssens, J.		
Marcelly, B. and Ollivier, F., Terminal Circuit Test Software for Metaconta L 11 A Exchanges	1	58
Mericke, D. and Siegel, H., Subscriber Line Circuit and Line Identifier for EWSO System	1	76
Moens, L. and Terryn, R., Optical Document Enveloper	4	289
Ollivier, F. <i>see</i> Marcelly, B.		
Oppenländer, M. <i>see</i> Braun, L.		
Oswald, T. <i>see</i> Bennett, A. J.		
Penet, X., Maintenance Software for the ITT 3202 Processor	2	142
Perry, J. M. <i>see</i> Jenkins, D. A. L.		
Radley, P. E. <i>see</i> Hall, R. A.		
Raes, A. and Verhoeven, H., Video Indexation Desk System	4	284
Reutter, J. <i>see</i> Dietze, W.		
Schreiner, S. M. <i>see</i> Collier, M. E.		
Siegel, H. <i>see</i> Mericke, D.		
Simotta, W. <i>see</i> Becker, L.		
Slawik, M. and Wiedmann, H., Voice Controlled Handsfree Subset for the Intermat Range	4	302
Solé, J. <i>see</i> Hansen, I.		

	Number	Page
Stanborough, A. J. and Strickland, W. T., NG-1 Submarine Cable System:		
NG-1 Terminal Transmission Equipment	2	118
Stammer, G. J. <i>see</i> Chalk, M. K.		
Stockwell, R. V. <i>see</i> Barnes, G. J.		
Strickland, W. T. <i>see</i> Stanborough, A. J.		
Széchenyi, K. <i>see</i> Faigle, H.		
Terryn, R. <i>see</i> Moens, L.		
van de Ven, G. <i>see</i> Faigle, H.		
Vander Straeten, C. <i>see</i> Carruet, V.		
Van Os, L. <i>see</i> Dicker, J. W.		
Vandevelde, A. <i>see</i> Cool, C.		
Verbeeck, M. <i>see</i> Broux, J. A.		
Verhoeven, H. <i>see</i> Raes, A.		
Villén Altamirano, M., Calculation Method for Link Systems with Delay	3	217
Vömel, P., Consul Subscriber Telephone Subset	3	225
West, J. F. <i>see</i> Dicker, J. W.		
Wiedmann, H. <i>see</i> Slawik, M.		
Williams, G. <i>see</i> Collier, M. E.		
Wollmershäuser, P. <i>see</i> Borowski, W.		
Ysseldyk, J. <i>see</i> Bauwens, J.		
Zanzig, J. <i>see</i> Faigle, H.		
Ziegler, R. <i>see</i> Höschele, G.		
Zoll, H. <i>see</i> Braun, L.		